Appl. No. 10/699,617
Response. dated August 29, 2005
Reply to Office action of May 27, 2005

In the Claims:

New claims 22-26 are added. The remaining claims are not amended in this response.

1. (original) A toner/probe system, comprising:

a toner adapted to generate and supply a tone packet to a cable under test; and

a probe adapted to detect said tone packet as propagated via the cable under test.

2. (original) A toner/probe system according to claim 1, wherein said tone packet comprises:

a synchronization portion; and

a data portion.

3. (original) A toner/probe system according to claim 2, wherein said data portion comprises plural portions providing different testing modes.

4. (original) A toner/probe system according to claim 3, wherein said testing modes are selected from the group consisting of:

a cable isolate mode and a cable locate mode.

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5. (original) A toner/probe system according to claim 3, wherein said testing mode comprises a wire continuity test mode for location one or more wires separately from other wires.

6. (original) A toner/probe system according to claim 3, wherein said testing mode comprises a wire map mode.

7. (original) A toner/probe system according to claim 1 wherein said toner supplies a 455Khz carrier signal as at least part of said tone packet.

8. (original) A toner/probe system according to claim 1 wherein said toner comprises a selector for selecting an operation mode.

9. (previously presented) A toner/probe system according to claim 1 wherein said toner comprises a song selector for selectively applying one or more of at least two distinguishable tone packets.

10. (original) A toner/probe system according to claim 1, wherein said probe comprises a detector for detecting said tone packet and operatively responding to portions thereof.

11. (canceled)

12. (canceled)

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13.   (original) A method for locating a cable, comprising the steps of:

applying a tone packet to a cable at one position thereof; and

employing a sensor responsive to said tone packet to locate said cable at another position thereof.

14.   (original) The method according to claim 13, wherein said applied tone packet comprises:

a synchronization portion; and

a data portion.

15.   (original) The method according to claim 14, wherein said data portion comprises plural portions providing different testing modes.

16.   (original) The method according to claim 15, wherein said testing modes are selected from the group consisting of:

a cable isolate mode and a cable locate mode.

17.   (original) The method according to claim 15, wherein said testing mode comprises a wire pair test mode for location one or more wire pairs separately from other wire pairs.

18.   (original) The method according to claim 15, wherein said testing mode comprises a wire map mode.

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19. (previously presented) The method according to claim 13, wherein said tone packet employs a 455Khz carrier signal as at least part of said tone packet.

20. (previously presented) The method according to claim 13, wherein said tone packet employs a carrier signal as at least part of said tone packet.

21. (previously presented) A toner/probe system according to claim 1 wherein said toner supplies a carrier signal as at least part of said tone packet.

22. (new) A toner/probe system according to claim 1 wherein said carrier signal is turned on and off at an audio frequency rate.

23. (new) A toner/probe system according to claim 22 wherein said audio frequency rate is 1Khz or 2Khz.

24. (new) A toner/probe system according to claim 1 wherein said tone packet comprises plural quanta.

25. (new) The method according to claim 20, wherein said carrier signal is turned on and off at an audio frequency rate.

26. (new) The method according to claim 25 wherein said audio frequency rate is 1Khz or 2Khz.

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